



TBS™ INSULATION SYSTEM FOR THE MR-24® ROOF SYSTEM

Achieve increasingly stringent energy code requirements with this innovative insulation system

As energy codes become more stringent and energy costs continue to fluctuate, it's important to have an insulation system that will help save on your building's heating and cooling costs. The exclusive TBS™ insulation system, by Butler Manufacturing™, allows for the use of additional blanket insulation to meet stringent energy code requirements and can be installed in a fraction of the time it takes to install other insulation systems.

EXCEED ENERGY CODES WITH PROVEN RESULTS

As states adopt newer energy codes, buildings will be required to have high effective R-value roof insulation systems. The TBS™ insulation system not only provides these needed effective R-values or U-factors, but can prove their values as tested in the accredited Butler Guarded Hot Box. Depending on building codes and your specific building requirements, the TBS insulation system provides tested thermal performance options with U-factors from 0.035 to 0.029 or effective R-values in the range of R-28.5 to R-34.4.

TESTED U-FACTORS

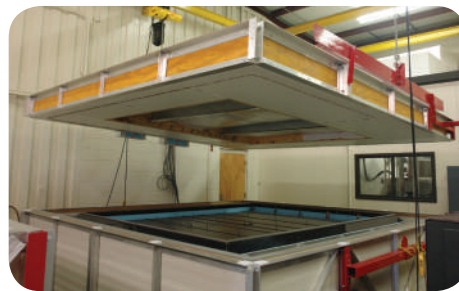
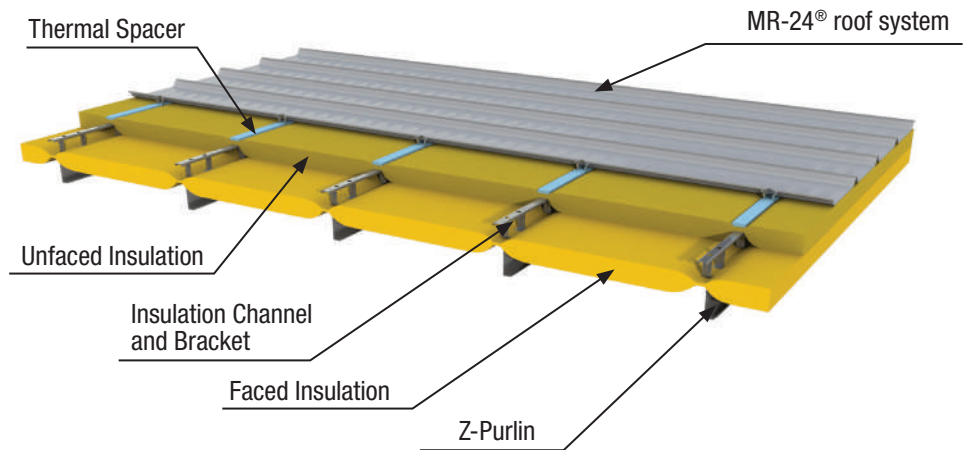
The chart below details the tested U-factors and associated effective R-values that can be achieved with the TBS™ insulation system.

TBS™ System Assembly	Tested U-Factor	Effective R-Values
R-16 faced + R-19 unfaced	0.035	28.5
R-19 faced + R-25 unfaced	0.030	33.2
R-19 faced + R-30 unfaced	0.029	34.4

ACHIEVE INSTALLATION EFFICIENCIES THAT REDUCE COST

Installation of the TBS insulation system is noticeably faster than installation times for other industry standard systems. The new 4' channel and bracket solution keeps all the insulation system above the purlin, making it a quicker and simpler process.

TBS™ INSULATION SYSTEM WITH Z-PURLIN



The Butler Guarded Hot Box tests actual in-place performance of insulation assemblies.

PROVIDES AN AESTHETIC LOOK WITH ABOVE THE PURLIN SYSTEM

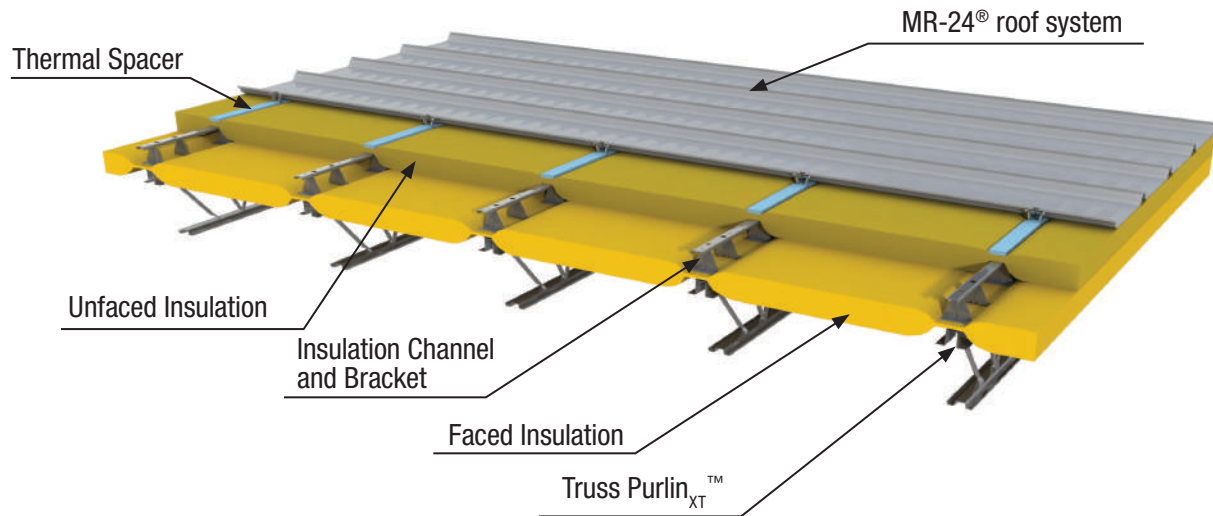
The insulation system is installed above the purlin, with no support banding, and does not interfere with purlin bracing or framing members. This allows the faced insulation to drape naturally as compared to other insulation systems, resulting in an improved appearance inside the building. Additionally, with the purlins left exposed, there is no need to puncture

the vapor retarder to fit around the flange braces, ceiling, lighting, conduit or sprinklers. Therefore, the vapor retarder integrity is maintained providing an optimal solution.

WORKS WITH MULTIPLE STRUCTURAL MEMBERS

The TBS insulation system is installed easily on either a Z-Purlin or a Truss Purlin_{XT}™. Factory assembled and punched channel and bracket members ensure modularity and allow for roof movement with the MR-24® roof system. TBS is also compatible with both SkyWeb® and SkyWeb-II® fall protection and insulation support systems.

TBS™ INSULATION SYSTEM WITH TRUSS PURLIN_{XT}™



KEY BENEFITS

- ✓ Installed from the top, eliminating the need for bands and reducing installation time and cost
- ✓ Installs with various Butler structural members to accommodate different building designs
- ✓ Meets IECC 2015 codes with tested U-Factors as low as 0.029
- ✓ Roof structurals are accessible as a result of above the purlin system installation
- ✓ Sky-Web® and Sky-Web II® fall protection and insulation support system compatible
- ✓ Unique design offers improved interior finish
- ✓ Maintains vapor retarder integrity

BUTLER OFFERS YOU MORE

Butler Builders provide complete construction services with single-source responsibility

- Reputable professionals with extensive knowledge of local building codes

Maximize your building's performance with a complete Butler® system solution

- Innovative structural, wall and roof systems
- Precision-engineered for seamless integration



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Form No. 5551 04/16